(b) (6)

Successful Program Manager

"Streamlining for Productivity"

Experienced Program Manager with demonstrated ability to lead business, technical and compliance programs. Results oriented leader that works effectively with multidisciplinary teams to drive successful outcomes in New Product Commercialization, Top Line Growth and Regulatory Compliance. Established ability to define and implement processes and procedures to increase productivity and reduce organization energy.

Project Management TSCA Compliance

Regulatory Evaluation

Data Analysis

Six Sigma Black Belt

Strategic Assessment

Technical Professional

Leadership

Process Optimization

Professional Experience

LCSA Program Manager DuPont June 2016-Present

Developed and implemented the Corporate Lautenberg Chemical Safety Act (LCSA) Program to evaluate the new statutory requirements, develop compliance processes and procedures, identify key risk areas, and establish mitigation plans for the corporation. Responsible for leading the Pre-Manufacturing Notices, management of TSCA professionals, and engagements with the agency to negotiate regulatory actions, and pre-commercialization testing requirements. Standardized Section 5 exemption evaluation and documentation, refined Corporate reporting procedures for CDR and Inventory Reset, developed and delivered TSCA training to leveraged and business employees, and drove improvements to increase productivity in the organization. Acting Corporate representative for industry associations and consortiums, EPA engagements and negotiations, and technical resource for government affairs division.

CDR Program Manager DuPont November 2014 to October 2016

Led Corporate Chemical Data Reporting (CDR) program that compiled volume and process and use information for submission to the EPA. Identified and implemented process and productivity improvements to the Corporate program for data collection and validation, review of manufacturing processes to identify chemical intermediates, and upgrades to the reporting tool and ensure 100% compliance with reporting requirements.

Consent Order Program Manager DuPont October 2010 to November 2014

Accountable for developing and implementing programs to ensure compliance with an EPA consent order. Integrated compliance procedures into existing Process Safety Management and Business processes; trained site, business and technical personnel; leveraged key learning's and opportunities across the Corporation; and established alternative supply chain for key raw material to ensure uninterrupted supply for global manufacturing locations.

<u>Biodegradation Supplemental Environmental Program (SEP) Manager</u> DuPont January 2012 to March 2014

Implemented and managed a \$5MM Biodegradation SEP as described in the EPA Consent Agreement and Final Order TSCA-HQ-2004-0016. Accountable for the SEP program budget, activities of the external Characterization and Biodegradation Laboratories, and quarterly reporting to the agency and corporate leadership. Negotiated a joint motion to amend the SEP with the EPA advisory board to successfully fulfill the requirements of the Consent Agreement.

Six Sigma Black Belt DuPont 2007 to 2010

Responsible for Top Line Growth Programs which identified and implemented processes to improve cash flow and evaluate new business opportunities producing a combined benefit in excess of \$6 MM. Programs reduced past due invoices, increased revenue in targeted price adjustments, eliminated an underperforming businesses, upgraded a financial model using transactional data to calculate reliable variable margins, established baseline technical information required for plant design for a commercial proposal (FEL1), and outlined critical design requirements, market segment information, key market drivers, competitors, and revenue projections for a new commercial application.

Development Engineer DuPont 2005 to 2007

Led technical program that developed a novel technology and new product offering resulting in an externally funded engineering study and treatment proposal. Responsibilities included interactions with the regulatory agencies (EPA, CDC, DNREC and NJDEP) and Engineering contractors for the US Army, technical and market evaluations of growth opportunities, and development of business propositions for inhouse and co-development of point source treatment and enhanced biocatalyst offerings.

Engineer DuPont 1986 to 2005

Positions included a variety of technical assignments in Engineering and Central Research & Development supporting Biomedical, Bioengineering and Environmental programs. Focus areas included development and technical support for: biodegradable polymers, clinical instruments, artificial ligaments, cellular therapies, Persistence & Bioaccumulation screening tool, biodegradability assessments and bioprocessing programs.

Education

Drexel University Ph.D. Environmental Engineering 2007

Drexel University M.S. Environmental Microbiology 1992

Wilkes University B.S. Medical Technology 1984

Wilkes University B.S. Biology 1981

Publications, Patents and Presentations

Section 5 Implementation; Panel Discussion: Inventory Reset American Chemistry Council Global Chem Conference 2018

Inventory Reset: One Year Later

American Chemistry Council Global Chem Conference 2017

1-hydroxyanthraquinone: Activity in *Paracoccus Denitrificans* and Potential Application for Biomass Reduction in Wastewater Treatment Facilities

Drexel Dissertation June 2007

Treatment to Remove High-Strength Contaminants in Wastewater Generated in the Destruction of VX Nerve Agent: Development of Technology and Demonstration of Environmental Quality 2006 WEFTEC

DuPont's P&B Screening Tool for Prioritization of Chemicals for Risk Assessment November 2000 SETAC

Multiple stage affinity process for isolation of specific cells from a cell mixture Issued Apr 9, 1996 Patent 5506130